

IN THE CLAIMS:

23. (Previously Presented) An interior panel of an aircraft passenger cabin, with which an outer skin of an aircraft is filled; which arrangement will provide protection against fire, the interior panelling comprising:

honeycomb panelling comprising at least one layer of a honeycomb body formation of several honeycombs arranged side by side, the honeycomb body having an end of a cross section of the honeycomb body supported by and adhered to a cover layer such that honeycomb panelling is formed of the honeycomb body sandwiched between a top-supported cover layer facing the passenger cabin, and a bottom-supported cover layer facing a space, and the honeycomb panelling extends with the outer skin of the aircraft to follow the curvature of the outer skin, and the honeycomb body is made of a paper or an aramide or a combination thereof and at least one carbon fiber reinforced plastics layers or at least one glass fiber reinforced plastics layer or both is positioned on each face of the honeycomb body; a burn-through-proof foil arranged such that the burn-through-proof foil conforms to an outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

24. (Previously presented) The interior panel of claim 23, wherein at least one burn-through-proof barrier layer is adhesively sandwiched between a pair of honeycomb bodies and at least one of the honeycomb bodies is made of paper.

25. (Previously presented) The interior panel of claim 23, wherein the at least one honeycomb body is at least two honeycomb bodies, and each honeycomb body has at least one cover layer made of carbon fiber reinforced plastics such that the at least two honeycomb bodies adhesively sandwich the at least two cover layers between the at least two honeycomb bodies.

26. (Previously presented) The interior panel of claim 25, wherein the honeycomb panelling includes additional layers of honeycomb bodies adhesively sandwiching cover layers made of

carbon fiber reinforced plastics and adjacent to each other in series, wherein the cover layers which are adjacent to each other and lying one on top of the other are glued.

27. (Previously presented) The interior panel of claim 23, further comprising a first burn-through-proof carbon fiber reinforced plastics insulation layer is glued onto an outer surface of the top-supported cover layer or the bottom-supported cover layer or both which comprises a plurality of burn-through-proof carbon fiber reinforced plastics insulation layers which ends the layer design of the honeycomb panelling.

28. (Previously presented) The interior panel of claim 24, wherein the at least one burn-through-proof barrier layer comprises a plurality of carbon fiber reinforced plastics barrier layers.

29. (Previously presented) The interior panel of claim 23, wherein the honeycomb body is made of an aramide.

30. (Previously presented) The interior panel of claim 26, wherein the cover layer is a carbon fiber reinforced plastics insulation layer.

31. (Cancelled)

32. (Cancelled)

33. (Previously presented) The interior panel of claim 28, wherein the plurality of carbon fiber reinforced plastics barrier layers are of a burn-through-proof plastic foil.

34. (Previously Presented) The interior panel of claim 23, wherein an adhesive bond between the honeycomb body and the cover layer is implemented using a burn-through-proof adhesive.

35. (Currently amended) The interior panel of claim 34, wherein the adhesive bond is non-detachable and burn-through proof ~~meeting the requirements for implementing effective fire protection in aircraft construction.~~

36. (Previously Presented) The interior panel of claim 23, further comprising an insulation package arranged on the glass fiber reinforced plastics layer supported below the honeycomb formation or the burn-through-proof carbon fiber reinforced plastics insulation layer whose outer surface faces the outer skin, wherein the insulation package comprises a burn-through-proof insulation or a combustible glass fiber reinforced plastics insulation into which a burn-through-proof barrier layer is integrated, and extends, without interruption, through the carbon fiber reinforced plastics insulation right to the circumference of the insulation.

37. (Previously Presented) The interior panel of claim 36, wherein the bottom-supported glass fiber reinforced plastics cover layer and the burn-through-proof carbon fiber reinforced plastics insulation layer comprise a threaded drill hole which extends substantially perpendicularly to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

38. (Previously Presented) The interior panel of claim 36, wherein the insulation package comprises a hole-like leadthrough which is substantially congruently aligned with a threaded drill hole, provided the insulation package is aligned to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

39. (Previously Presented) The interior panel of claim 38, wherein the insulation package is attached to the bottom-supported glass fiber reinforced plastics cover layer by means of a burn-through-proof connection element which is fed through the hole-like leadthrough and which can be screwed into the threaded drill hole.

40. (Previously presented) Insulation system for an outer skin of a vehicle, comprising:
a plurality of honeycombs arranged side by side,
each of the plurality of honeycombs having a honeycomb body having a
top face and a bottom face,
and a top-supported cover layer glued on the top face for facing an
interior of the vehicle and a bottom-supported cover layer glued on the bottom face
wherein the honeycomb body of each of the plurality of honeycombs is a
paper honeycomb or an aramide honeycomb; and
at least two carbon fiber reinforced plastics layers;
wherein the at least two carbon fiber reinforced plastics layers are
arranged on opposite sides of the plurality of honeycombs, such that at least one of the at least
two carbon fiber reinforced plastics layers is disposed on the outermost top face of at least one
of the honeycomb bodies and at least one of the at least two carbon fiber reinforced plastics
layers is disposed on the outermost bottom face of at least one of the honeycomb bodies,
without any metal layers.

41. (Presented previously) The insulation system of claim 40, wherein the at least two
carbon fiber reinforced plastics layers includes at least one carbon fiber
reinforced plastics layer glued to the top face of each of the honeycomb bodies and at least one
carbon fiber reinforced plastics layer glued to the bottom face of each of the honeycomb
bodies.

42. (Previously presented) The insulation system of claim 40, wherein the top-supported cover layer or the bottom-supported cover layer further comprise:

a further carbon fiber reinforced plastics layer, a glass fiber reinforced plastics layer, a further honeycomb body additionally stacked on and glued to the plurality of honeycombs or a combination thereof.

43. (Previously Presented) The interior panel of claim 36, wherein the insulation package comprises a burn-through-proof insulation, and the burn-through-proof insulation is enclosed by a burn-through-proof foil or is layered with a combustible glass fiber reinforced plastics insulation.

44. (Previously Presented) The interior panel of claim 43, wherein the bottom-supported glass fiber reinforced plastics cover layer and the burn-through-proof carbon fiber reinforced plastics insulation layer comprise a threaded drill hole which extends substantially perpendicularly to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

45. (Previously Presented) The interior panel of claim 43, wherein the insulation package comprises a hole-like leadthrough which is substantially congruently aligned with a threaded drill hole, provided the insulation package is aligned to the outer surface of the carbon fiber reinforced plastics layer or the glass fiber reinforced plastics layer.

46. (Previously Presented) The interior panel of claim 45, wherein the insulation package is attached to the bottom-supported cover layer by means of a burn-through-proof connection element which is fed through the hole-like leadthrough and which can be screwed into the threaded drill hole.